



Senegal River Basin Climate Change Resilience Development Project (P131323)

AFRICA | Western Africa | Water Global Practice |

IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 11 | ARCHIVED on 20-Jun-2019 | ISR37185 |

Implementing Agencies: Organisation pour la Mise en Valeur du Fleuve Senegal, ADRS - Agence pour le Developpement Rural de la Vallee du Fleuve Senegal, DNGR - Direction Nationale du Genie Rural, SAED - Societe Nationale Amenagement et Exploitation des Terres du Delta du Fleuve Senegal, SONADER - Societe Nationale pour le Developpement Rural, Ministry of Finance, Ministry of Economy and Finance, Ministry of Finance, Ministry of Finance

Key Dates

Key Project Dates

Bank Approval Date: 05-Dec-2013

Effectiveness Date: 24-Jun-2014

Planned Mid Term Review Date: 22-Jan-2018

Actual Mid-Term Review Date: 22-Jan-2018

Original Closing Date: 30-Jun-2021

Revised Closing Date: 30-Jun-2021

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The overall Program Development Objective is: to enhance regional integration among the riparian countries of the Senegal River Basin through OMVS for multi-purpose water resources development to foster improved community livelihoods. The MWRD2 Project Development Objective is: to improve coordinated management of water resources for socially, environmentally and economically sustainable development in the Senegal River Basin. Responding to the needs of OMVS and riparian country governments MWRD2 will have broadly similar components to MWRD1: (i) consolidating and further strengthening the institutional, legal and technical framework of the Senegal River Basin to better serve all four riparian countries, (ii) expanding the scope or coverage of concrete water resources development activities at the local level that generate significant income to reduce poverty, and (iii) defining and preparing new multipurpose infrastructure to harness the hydropower potential identified in the basin. MWRD2 activities will primarily be located in the priority areas defined by studies in MWRD1. Each component will scale-up activities started under MWRD1, incorporating lessons learnt and taking forward successful elements for further development.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components

Name

1. Institutional Development for Water Resources:(Cost \$19.11 M)
- 2: Multi-Purpose Water Resources Development:(Cost \$174.23 M)
- 3: Infrastructure Management and Planning:(Cost \$29.62 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Satisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Moderately Satisfactory
Overall Risk Rating	● High	● High



Implementation Status and Key Decisions

Progress towards achieving the Global Environment Objectives and Project Development Objectives is satisfactory as there is no divergence from the project design to date and all activities are progressing in line with those objectives. Two years from project closing, project results are increasingly visible on the ground and targets are expected to be reached by project closing. Currently, 2.85 million direct beneficiaries are reached (63% of target); 5,369 ha provided with new/improved irrigation services (40% of target); 868 ha reforested (25% of target); 2,845,000 treated malaria nets distributed (63% of target); 78% of children sleeping under a treated bed net (98% of target); 97% of population treated against schistosomiasis (121% of target); 300% increase in fish production from aquaculture in the project area (no target). Moreover, the methodology for revising the cost-sharing formula for financing future common infrastructure projects between Member States has been validated by the Council of Ministers in May 2019 and the new water allocation model has been used by the Permanent Water Commission since 2019.

The project Implementation Progress rating has been downgraded from S to MS, because of the risks of slippage of some irrigation contracts beyond the project closing date if the national implementing agencies in Guinea, Mauritania and Mali as well as OMVS do not closely monitor progress on the ground. Disbursements for both grants and IDA total 55% (56% for IDA and 47% for the grants).

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● Moderate	● Moderate
Macroeconomic	--	● Substantial	● Substantial
Sector Strategies and Policies	--	● Low	● Low
Technical Design of Project or Program	--	● Low	● Low
Institutional Capacity for Implementation and Sustainability	--	● Substantial	● Substantial
Fiduciary	--	● Moderate	● Moderate
Environment and Social	--	● High	● High
Stakeholders	--	● Substantial	● Substantial
Other	--	--	--
Overall	--	● High	● High

Results

PDO Indicators by Objectives / Outcomes

Improve coordinated management of water resources for a sustainable development of the basin				
► Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,845,000.00	2,845,000.00	4,500,000.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020



▲Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	51.00	51.00	51.00
▶Direct project beneficiaries benefiting from the pilot activities to build climate resilience (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5,000.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	GEF-funded climate resilience sub-projects are under implementation in the four countries. Results on the ground are expected by the end of FY2020 in the four countries.			
▶Area provided with irrigation and drainage services (ha) (Hectare(Ha), Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,369.00	5,369.00	13,680.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	The area provided with irrigation, 5369 ha, includes the completion of the works in the Boghe perimeter in Mauritania (+419 ha) and the perimeter of Yedia in Senegal (+4000 ha).			
▲Area provided with irrigation and drainage services - New (ha) (Hectare(Ha), Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,369.00	5,369.00	3,000.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
▶The new framework for partition of costs and benefits in the river basin is finalized and presented to the CoM (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	05-Mar-2013	03-Dec-2018	14-Jun-2019	31-Dec-2020
Comments:	The contract with the consulting firm in charge of designing the new framework was signed in August 2018. The methodology proposed by the firm has been presented and validated by the Council of Ministers in April. The new framework is expected to be presented to the Council of Ministers early 2020.			
▶Long-lasting insecticide-treated malaria nets purchased and/or distributed (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,845,000.00	2,845,000.00	4,500,000.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	So far 2.845 million treated bed-nets were distributed in Mauritania, Senegal, Guinea and Mali. This corresponds to the first distribution campaign in Mauritania, Senegal and Guinea and the first and second			



campaigns in Mali. The remaining treated bed-nets for the second campaigns in Mauritania, Senegal and Guinea are being purchased and will be distributed between June and July in Senegal and Guinea and December 2019. The contract for the new NGO in charge of bed-net distribution and awareness campaigns in Mauritania has been signed in May 2019. The NGOs in the other countries are already contracted.

The next round of surveys for the share of children and women utilizing treated bed-nets is being carried out in Mali, Senegal, and Guinea and results will be available at the end of June 2019. Trainings are ongoing for the execution of this survey in Mauritania.

▲Proportion of children having slept under LLINs the night before the survey (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	74.00	78.00	78.00	80.00

▲Proportion of women 15-49 years sleeping under an LLIN the night before the surveys (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	65.00	77.00	77.00	80.00

►Improved tools are used in decision making on water allocation during the meetings of the Permanent Water Commission (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	Yes	Yes
Date	01-Jan-2013	12-Dec-2018	03-Jun-2019	30-Jun-2020

Comments: Diagnosis of the tools (models) used by the OMVS carried out by the climate change vulnerability study delivered in June 2018; new model on water resources planning and allocation (WEAP) finalized; training of the involved actors carried out in July 2018; The Permanent Water Commission is using the new WEAP model in 2019. The updating/calibration of priority models for OMVS will be carried out from July 2019.

Intermediate Results Indicators by Components

1. Institutional Development

►New framework for partition of costs and benefits tested and validated at a technical level (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020

Comments: The contract was signed in August 2018 and activities began in October 2018. The methodology was validated in April 2019. The technical validation is expected in September 2019.

►Climate change adaptation/resilience training program delivered to OMVS National Cellules and National Agencies (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	No	No	Yes	Yes
Date	05-Mar-2013	12-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	Trainings to the High-Commissariat and the National Agencies took between January and March 2019. An e-learning is being finalized and will be available at the end of June 2019.			

2. Multi-purpose Water Resources Development

►Hydraulic axes - canals supplying irrigation areas - rehabilitated (Kilometers, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	36.50	36.50	65.50
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	Contracts for the remaining rehabilitation of the canals in Senegal are ongoing and will be completed by December 2019 (total=35.5km). Instead, due to higher than expected project costs, in Mauritania only 5km out of 30km will be rehabilitated. The restructuring will include revision of the original target.			

►Operational water user associations created and/or strengthened (number) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	20.00	50.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	Based on the training programs prepared by the National Agencies, this indicator will be achieved. However, during the restructuring, the indicator will be revised to measure the functionality of these associations, not only the outreach efforts to strengthen them. Given the higher ambition, the target will then also be revised and lowered to remain realistic (to 20, instead of current 50).			

►Sales of fresh and processed fish in project sites (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	7.00	20.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	The fishery activities are showing good progress and it is expected that the indicator will be achieved by the end of the project.			

►Proportion of target beneficiaries having received mass treatment locally occurring NTDs (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	96.50	96.50	80.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020

►Slope stabilization through agroforestry development or reforestation (Hectare(Ha), Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	527.00	868.00	3,527.00
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	Reforestation campaign and community supervision for the implementation of the activities is underway in Guinea, where the objective of 527 ha has been achieved. In Mali, activities are in progress and an evaluation is ongoing and 341 ha have already been completed. It is expected to achieve the 2000 ha target by December 2020. In Senegal, an NGO signed a 2-year contract in September 2018 and activities began in October 2018, for the reforestation/soil management of 1000 ha. Therefore, the indicator will be achieved by the end of the project. An evaluation of the progress in Senegal is ongoing and will be available by the end of June.			

3. Infrastructure Management and Planning

► Mapping, modeling, and other analytical tools for WRM developed or updated (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	05-Mar-2013	03-Dec-2018	03-Jun-2019	31-Dec-2020
Comments:	Mapping contract ongoing - diagnostic completed and a first batch of additional satellite images have been bought to complete and update OMVS' mapping database. The updated database will be available at the end of June 2019.			

Data on Financial Performance

Disbursements (by loan)

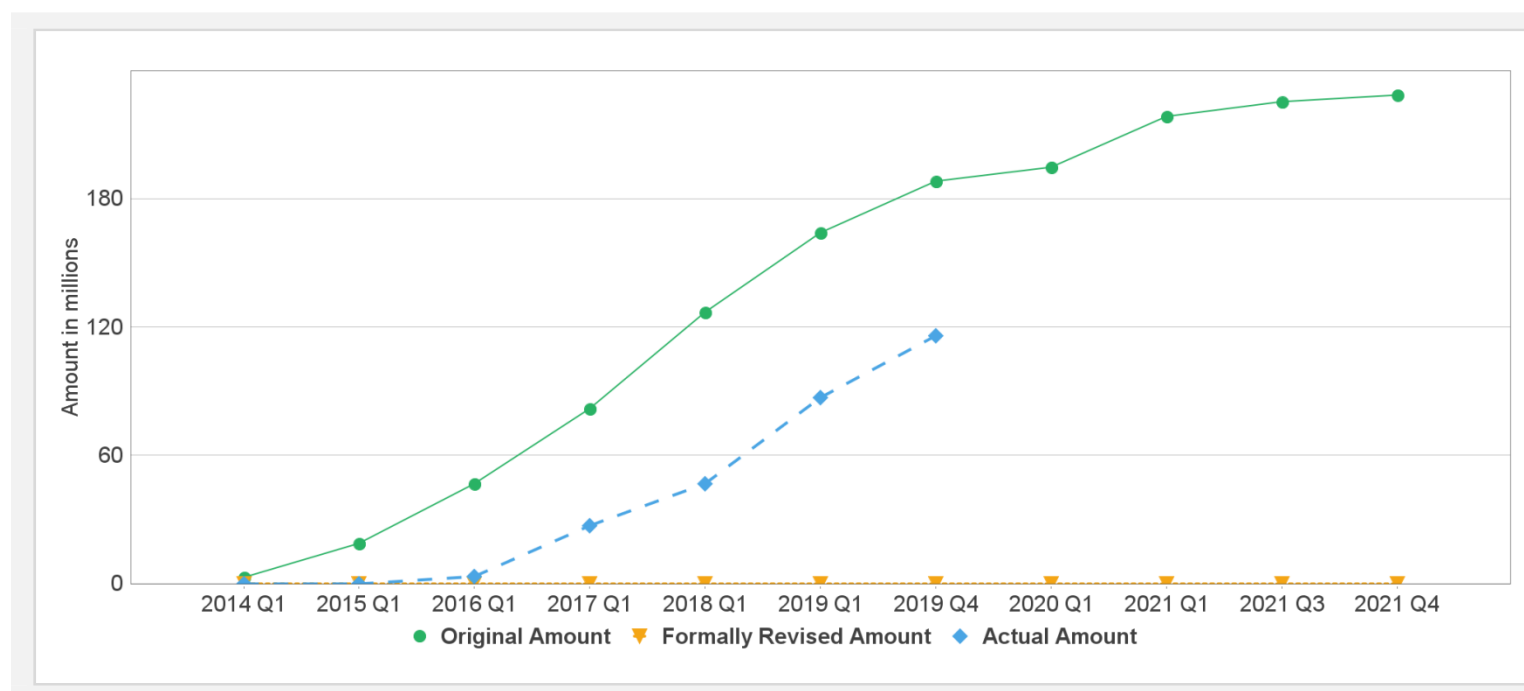
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P131323	IDA-53210	Effective	USD	58.50	58.50	0.00	35.90	17.14	68%
P131323	IDA-53220	Effective	USD	54.50	54.50	0.00	27.53	22.06	56%
P131323	IDA-53230	Effective	USD	71.00	71.00	0.00	28.80	35.53	45%
P131323	IDA-53660	Effective	USD	28.50	28.50	0.00	15.96	9.91	62%
P131353	TF-15949	Effective	USD	4.00	4.00	0.00	1.62	2.38	41%
P131353	TF-16001	Effective	USD	12.00	12.00	0.00	5.96	6.04	50%



Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P131323	IDA-53210	Effective	05-Dec-2013	28-Mar-2014	24-Jun-2014	31-Dec-2020	30-Jun-2021
P131323	IDA-53220	Effective	05-Dec-2013	27-Feb-2014	24-Jun-2014	31-Dec-2020	30-Jun-2021
P131323	IDA-53230	Effective	05-Dec-2013	26-Feb-2014	24-Jun-2014	30-Jun-2021	30-Jun-2021
P131323	IDA-53660	Effective	05-Dec-2013	03-Mar-2014	24-Jun-2014	30-Jun-2021	30-Jun-2021
P131353	TF-15949	Effective	28-Mar-2014	28-Mar-2014	25-Jun-2014	30-Jun-2021	30-Jun-2021
P131353	TF-16001	Effective	28-Mar-2014	28-Mar-2014	25-Jun-2014	30-Jun-2021	30-Jun-2021

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

P131353-Senegal River Basin Climate Change Resilience Development Project